PUBLICATION NUMBER : 05012080
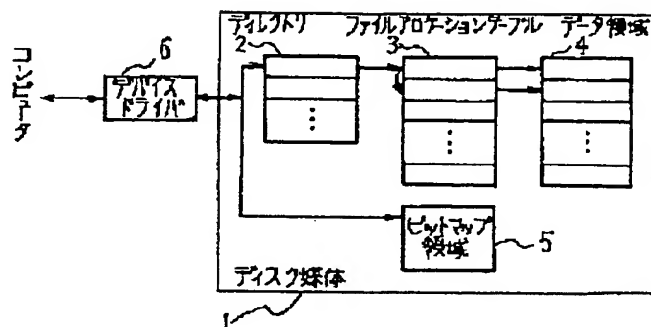PUBLICATION DATE : 22-01-93

APPLICATION DATE : 02-07-91
APPLICATION NUMBER : 03161195

APPLICANT : NEC ENG LTD;

INVENTOR : NOGUCHI MASAHIKO;

INT.CL. : G06F 12/00

TITLE : DISK MEDIA CONTROL SYSTEM

ABSTRACT : PURPOSE: To shorten the retrieving time of the idle area of disk media and to make efficient the use of the data area.

CONSTITUTION: A file operation is performed by the control of a directory 2, a file allocation table 3 and a bit map area 5. For the bit map area 5, at the time of the file operation, a bit 1 is written and updated at the time of 'use', and a bit 0 is written and updated at the time of 'unuse'. When the file is prepared by plural continuous clusters, a device driver 6 refers to the bit map area 5 and retrieves the area in which the bit 0 is continuous in which more than the designated number of clusters show the 'unuse'. Out of the retrieved result, with the result having the small difference between the most requested number of clusters and the number of idle clusters as a decided value, the file is prepared at the area.